

NEVADA DIVISION OF ENVIRONMENTAL PROTECTION

F A C T S H E E T (pursuant to NAC 445A.236)

Permittee Name: **Clark County Sanitation District**
5857 East Flamingo Road
Las Vegas, Nevada 89122

Permit Number: NEV50050

Description of Discharge:

Location: The Clark County Sanitation District (CCSD) Blue Diamond wastewater treatment facility is located approximately 19 miles southwest of Las Vegas, and 1.5 miles east of the town of Blue Diamond in Clark County, Nevada, in Section 8, Township 22 S., Range 59 E.. Latitude: 36° 02' 50"N; Longitude: 115° 23' 00"W. The facility is situated south of State Highway 159 which provides access to Blue Diamond, Bonnie Springs and the Red Rocks area.

Characteristics: The domestic sewage generated in the Blue Diamond service area is collected and directed to the facility via a gravity 8" sewerline from the town, and a 6" gravity sewerline from the James Hardy gypsum plant to the headworks where flows are passed through a Parshall flume and sonic flow meter located in a utility vault. A bar screen and communitor are in place, but are presently not in use. The influent is discharged into the primary asphalt lined, aerated facultative pond for treatment. Wastewater can be directed from pond 1 through weir boxes on the east and south sides of pond #1 to either pond #2 (south) or to the rapid infiltration basin (RIB) (east) for disposal via evaporation and percolation.

Flow: The facility has a flow limitation of 0.044 MGD. Current flows are substantially less, averaging from 0.030 MGD to 0.032 MGD for the last five years.

Quantities: Influent flow is measured at the Parshall flume prior to discharge into the primary pond. Influent BOD₅ and TSS are sampled prior to the primary treatment pond; effluent BOD₅, TSS and pH are sampled in the weir box prior to discharge to either pond 2 or the RIB. There is a limit of 116 lbs/day of BOD₅ for the facility. Monitoring is quarterly.

General: Clark County Sanitation District manages and operates the Blue Diamond wastewater treatment facility located on the flat 1.5 miles east of the town of Blue Diamond. The wastewater treatment facilities consist of: a collection system, an 8" gravity sewer line, a 6" sewer line from the James Hardy Gypsum plant, a flow measuring vault with a 6" Parshall flume and sonic flow meter, a distribution box, and an asphalt lined primary facultative pond with two 2 hp. tethered aerators, a disposal pond #2 and a RIB.

Receiving Water Characteristics: Based on current groundwater quality data, the groundwater quality is good, and is used as the public water supply for the town. Groundwater quality monitoring is required to determine if any adverse effects are detected in groundwater in the area. Depth to groundwater varies with the season, and often the well is reported as dry.

Quarterly groundwater monitoring for Chlorides, TDS, Nitrate as N, Total Nitrogen as N, static water level and groundwater elevation is required.

Procedures for Public Comment:

The Notice of the Division's intent to reissue a permit authorizing the facility to discharge to the groundwaters of the State of Nevada subject to the conditions contained within the permit, is being sent to the Las Vegas Review-Journal for publication. The notice is being mailed to interested persons on our mailing list. Anyone wishing to comment on the proposed permit can do so in writing for a period of 30 days following the date of publication of the public notice. The comment period can be extended at the discretion of the Administrator.

A public hearing on the proposed determination can be requested by the applicant, any affected State, any affected interstate agency, the Regional Administrator or any interested agency, person or group of persons.

The request must be filed within the comment period and must indicate the interest of the person filing the request and the reasons why a hearing is warranted.

Any public hearing determined by the Administrator to be held must be conducted in the geographical area of the proposed discharge or any other area the Administrator determines to be appropriate. All public hearings must be conducted in accordance with NAC 445A.238.

The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.605.

Proposed Determination

The Division has made the tentative determination to reissue the proposed permit for five (5) years.

Effluent Limitations, Schedule of Compliance and Special Conditions

There are no effluent limitations. Flow is limited to design flow. There is a loading limit of 116 lbs/day for BOD₅. A revised O & M Manual is to be submitted by December 30, 2000. A report of inspection of the condition of the monitoring well is to be submitted to NDEP by December 30, 2000. There are no special conditions.

Rationale for Permit Requirements

Monitoring is required to determine when design capacity is being approached, and to determine if the groundwater is being degraded. No limits are imposed, only a loading limit for the primary pond.

Prepared by: IcyI Mulligan
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